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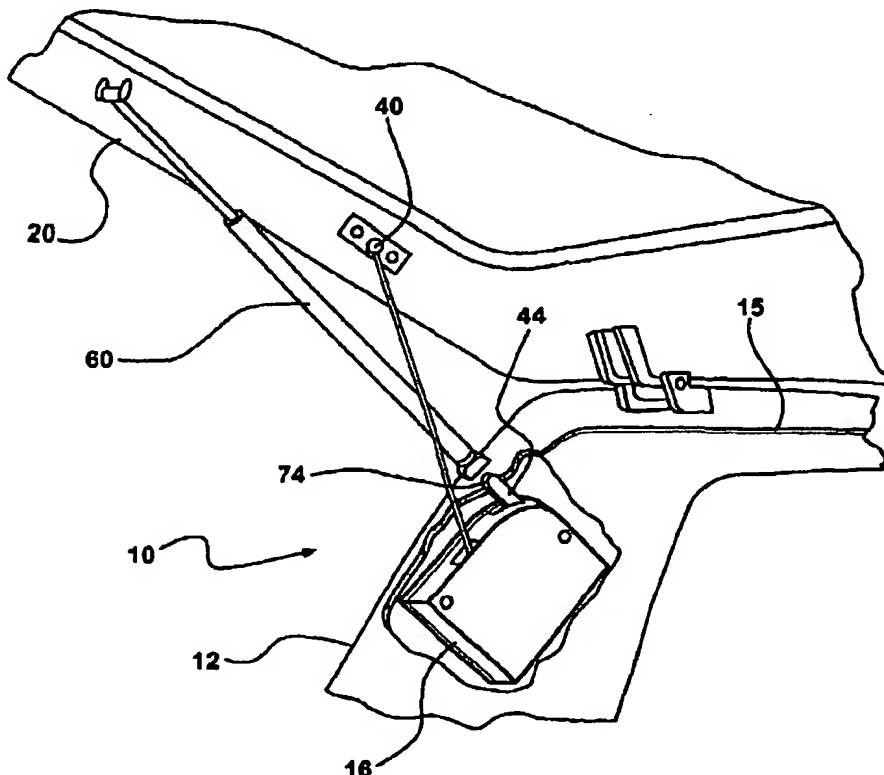
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(54) Title: POWER LIFT GATE ACTUATOR



(57) Abstract: A liftgate actuating assembly is disclosed for moving a liftgate of a motor vehicle between open and closed positions. The liftgate actuating assembly includes a motor that is fixedly secured to the motor vehicle. The motor has an output shaft capable of bi-directional rotation. A drive gear rotates about a drive shaft and is operatively connected to the output shaft to be rotated thereby. A cable drum is rotatably mounted to the drive shaft. The cable drum is coupled to the drive gear and is rotated thereby. The cable drum includes a cable wrapped thereabout between a drum end fixedly secured to the cable drum and a liftgate end fixedly secured to the liftgate. The cable is used to retract the liftgate from the open position to the closed position. A linkage is operatively connected to the drive gear. The linkage is from a retracted position to an extended position such that the linkage forces the liftgate from the closed position to the open position when the linkage moves from the retracted position to the extended

position. The linkage includes a slot that provides lost motion within the linkage. This allows the liftgate to be move manually to the closed position without the motor being activated.

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